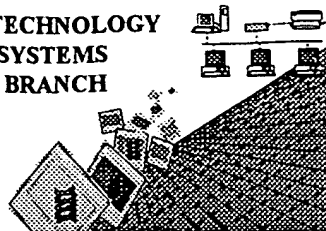


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/270,437C
Source: 1600 RUSH
Date Processed by STIC: 8/28/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to : U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

09/270, 437
The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

☐ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

☐ 7.

Other: _____

Applicant must provide:

☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

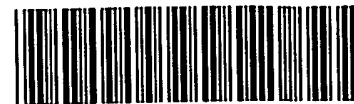
For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.

Canello



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/270,437C

DATE: 08/28/2002
TIME: 10:16:39

Input Set : A:\EP.txt
Output Set: N:\CRF3\08282002\I270437C.raw

1 <110> APPLICANT: Chen, Yao-Tseng
2 Gure, Ali
3 Tsang, Solam
4 Stockert, Elisabeth
5 Jager, Elke
6 Knuth, Alexander
7 Old, Lloyd J.
9 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated Antigen, The
10 Antigens Per Se, And Uses Thereof
12 <130> FILE REFERENCE: LUD 5538.1
14 <140> CURRENT APPLICATION NUMBER: 09/270,437C
OK-> 16 <141> CURRENT FILING DATE: 1999-03-16
18 <150> PRIOR APPLICATION NUMBER: 09/061,709
20 <151> PRIOR FILING DATE: 1998-04-17
22 <160> NUMBER OF SEQ ID NOS: 23

Does Not Comply
Corrected Data Not Needed

pp 1-5

ERRORED SEQUENCES

577 <210> SEQ ID NO: 9
578 <211> LENGTH: (21) 20 shown
579 <212> TYPE: DNA
580 <213> ORGANISM: Homo sapiens
W--> 581 <220> FEATURE:
W--> 582 <400> SEQUENCE: 9
E--> 583 gaagtatct tcaaggacgc c (21) 20
669 <210> SEQ ID NO: 19
670 <211> LENGTH: (24) 23
671 <212> TYPE: DNA
672 <213> ORGANISM: artificial sequence
W--> 673 <220> FEATURE:
W--> 674 <221> NAME/KEY: adaptor
675 <222> LOCATION: 1...24
W--> 676 <223> OTHER INFORMATION:
W--> 676 <400> SEQUENCE: 19
E--> 677 accgagctcg actatcatg catg (24) 23

IMPORTANT: All nucleotides
need to be in
lower-case letters,
when Sequence Listing
is in "raw" format.

see p. 2 for explanation of this error
This error
also exists
in other
sequences -
see p. 2
for sequence ID
nos,
8/28/02

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/270,437C

DATE: 08/28/2002
TIME: 10:16:40

Input Set : A:\EP.txt
Output Set: N:\CRF3\08282002\I270437C.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:15,16,17,18,19,20,21,22,23

*Explanation needs to be on
2237 line*

VARIABLE LOCATION SUMMARY

DATE: 08/28/2002

PATENT APPLICATION: US/09/270,437C

TIME: 10:16:40

Input Set : A:\EP.txt

Output Set: N:\CRF3\08282002\I270437C.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:4; N Pos. 3347,3502,3506,3520,3538,3549,3646,3940,3968,3974,4036,4056

Seq#:4; N Pos. 4062,4080,4088,4115

Seq#:5; N Pos. 1384,1464,1533,1571,1595

Seq#:6; N Pos. 3372

Seq#:7; N Pos. 1622,1702,1771,1809,1833

Seq#:8; N Pos. 3243

<210> 4
 <211> 4159
 <212> DNA
 <213> Homo sapiens
 <220>
 <400> 4

see P5

GGTGGATGCG TTTGGGTTGT AGCTAGGCTT TTTCTTTTCT TTCTCTTTTA AAACACATCT 60
 AGACAAGGAA AAAACAAGCC TCGGATCTGA TTTTTCACCTC CTCGTTCTTG TGCTTGGTTC 120
 TTAAGTGTGT TGTGTATTTT AAAGGCGAGA AGACGAGGGG AACAAAACCA GCTGGATCCA 180
 TCCATCACCG TGGGTGGTTT TAATTTTTTCG TTTTTCCTCG TTATTTTTTT TTAACAAC 240
 ACTCTTCACA ATGAACAAAC TGTATATCGG AAACCTCAGC GAGAACGCCG CCCCTCGGA 300
 CCTAGAAAGT ATCTTCAAGG ACGCCAAGAT CCCGGTGTCTG GGACCTTCC TGGTGAAGAC 360
 TGGCTACGCG TTCGTGGACT GCGCGGACGA GAGCTGGGCC CTCAAGGCCA TCGAGGCGCT 420
 TTCAGGTAAA ATAGAACTGC ACGGGAACCC CATAGAAGTT GAGCACTCGG TCCCAAAAAG 480
 GCAAAGGATT CGGAAACTTC AGATACGAAA TATCCCGCCT CATTTACAGT GGGAGGTGCT 540
 GGATAGTTTA CTAGTCCAGT ATGGAGTGGT GGAGAGCTGT GAGCAAGTGA ACACTGACTC 600
 GGAACTGCA GTTGTAATG TAACCTATTC CAGTAAGGAC CAAGCTAGAC AAGCACTAGA 660
 CAAACTGAAT GGATTTTCACT TAGAGAATTT CACCTTGAAA GTAGCCTATA TCCCTGATGA 720
 AATGGCCGCC CAGCAAAACC CTTGTCAGCA GCGCCGAGGT CGCCGGGGGC TTGGGCAGAG 780
 GGGCTCCTCA AGGCAGGGGT CTCCAGGATC CGTATCCAAG CAGAAACCAT GTGATTGCCC 840
 TCTGCGCCTG CTGGTTCCCA CCCAATTTGT TGGAGCCATC ATAGGAAAAG AAGGTGCCAC 900
 CATTCGGAAC ATCACCACAA AGACCCAGTC TAAAATCGAT GTCCACCGTA AAGAAATGC 960
 GGGGGCTGCT GAGAAGTCGA TTAATATCCT CTCTACTCCT GAAGGCACCT CTGCGGCTTG 1020
 TAAGTCTATT CTGGAGATTA TGCATAAGGA AGCTCAAGAT ATAAAATTCA CAGAAGAGAT 1080
 CCCCTGAAG ATTTTAGCTC ATAATAACTT TGTTGGACGT CTTATTGGTA AAGAAGGAAG 1140
 AAATCTTAAA AAAATTGAGC AAGACACAGA CACTAAAATC ACGATATCTC CATTGCAGGA 1200
 ATTGACGCTG TATAATCCAG AACGCACTAT TACAGTTAAA GGCAATGTTG AGACATGTGC 1260
 CAAAGCTGAG GAGGAGATCA TGAAGAAAT CAGGGAGTCT TATGAAAATG ATATTGCTTC 1320
 TATGAATCTT CAAGCACATT TAATTCCTGG ATTAATCTG AACGCCTTGG GTCTGTTCCC 1380

ACCCACTTCA GGGATGCCAC CTCCCACCTC AGGGCCCCCT TCAGCCATGA CTCCTCCCTA 1440
 CCCGAGTTT GAGCAATCAG AAACGGAGAC TGTTTCATCAG TTTATCCAG CTCTATCAGT 1500
 CGGTGCCATC ATCGGCAAGC AGGGCCAGCA CATCAAGCAG CTTTCTCGCT TTGCTGGAGC 1560
 TTCAATTAAAG ATTGCTCCAG CGGAAGCACC AGATGCTAAA GTGAGGATGG TGATTATCAC 1620
 TGGACCACCA GAGGCTCAGT TCAAGGCTCA GGAAGAATT TATGGAAAAA TTAAAGAAGA 1680
 AAACCTTTGTT AGTCCTAAAG AAGAGGTGAA ACTTGAAGCT CATATCAGAG TGCCATCCTT 1740
 TGCTGCTGGC AGAGTTATTG GAAAAGGAGG CAAAACGGTG AATGAACTTC AGAATTTGTC 1800
 AAGTGCAGAA GTTGTGTGCC CTCGTGACCA GACACCTGAT GAGAATGACC AAGTGGTTGT 1860
 CAAAATAACT GGTCACCTCT ATGCTTGCCA GGTGCCCCAG AGAAAAATTC AGGAAATTCT 1920
 GACTCAGGTA AAGCAGCACC AACACAGAA GGCTCTGCAA AGTGGACCAC CTCAGTCAAG 1980
 ACGGAAGTAA AGGCTCAGGA AACAGCCCAC CACAGAGGCA GATGCCAAAC CAAAGACAGA 2040
 TTGCTTAACC AACAGATGGG CGCTGACCCC CTATCCAGAA TCACATGCAC AAGTTTTTAC 2100
 CTAGCCAGTT GTTCTGAGG ACCAGGCAAC TTTTGAAGCT CTGTCTCTGT GAGAATGTAT 2160
 ACTTTATGCT CTCTGAAATG TATGACACCC AGCTTTAAAA CAAACAAACA AACAAACAAA 2220
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 CAGTATAACA GATATTCTAA TTCTTCTTAA TATCCCCCA TAATGCCAGA AATTGGCTTA 2340
 ATGATGCTTT CACTAAATTC ATCAAATAGA TTGCTCCTAA ATCCAATTGT TAAAATTGGA 2400
 TCAGAATAAT TATCACAGGA ACTTAAATGT TAAGCCATTA GCATAGAAAA ACTGTTCTCA 2460
 GTTTTATTTT TACCTAACAC TAACATGAGT AACCTAAGGG AAGTGCTGAA TGGTGTGGC 2520
 AGGGGTATTA AACGTGCATT TTTACTCAAC TACCTCAGGT ATTCAGTAAT ACAATGAAAA 2580
 GCAAAATTGT TCCTTTTTTT TGAAAATTTT ATATACTTTA TAATGATAGA AGTCCAACCG 2640
 TTTTTTAAAA AATAAATTTA AAATTTAACA GCAATCAGCT AACAGGCAAA TTAAGATTTT 2700
 TACTTCTGGC TGGTGACAGT AAAGCTGGAA AATTAATTTT AGGGTTTTTT GAGGCTTTTG 2760
 ACACAGTTAT TAGTTAAATC AAATGTTCAA AAATACGGAG CAGTGCCTAG TATCTGGAGA 2820
 GCAGCACTAC CATTTATTCT TTCATTTATA GTTGGGAAAG TTTTGTACGG TACTAACAAA 2880

GTGGTCGCAG	GAGATTTTGG	AACGGCTGGT	TTAAATGGCT	TCAGGAGACT	TCAGTTTTTT	2940
GTTTAGCTAC	ATGATTGAAT	GCATAATAAA	TGCTTTGTGC	TTCTGACTAT	CAATACCTAA	3000
AGAAAGTGCA	TCAGTGAAGA	GATGCAAGAC	TTTCAACTGA	CTGGCAAAAA	GCAAGCTTTA	3060
GCTTGTCTTA	TAGGATGCTT	AGTTTGCCAC	TACACTTCAG	ACCAATGGGA	CAGTCATAGA	3120
TGGTGTGACA	GTGTTTAAAC	GCAACAAAAG	GCTACATTTC	CATGGGGCCA	GCACTGTCAT	3180
GAGCCTCACT	AAGCTATTTT	GAAGATTTTT	AAGCACTGAT	AAATTAAAAA	AAAAAAAAAA	3240
AAATTAGACT	CCACCTTAAG	TAGTAAAGTA	TAACAGGATT	TCTGTATACT	GTGCAATCAG	3300
TTCTTTGAAA	AAAAAGTCAA	AAGATAGAGA	ATACAAGAAA	AGTTTINSGG	ATATAATTTG	3360
AATGACTGTG	AAAACATATG	ACCTTTGATA	ACGAACTCAT	TTGCTCACTC	CTTGACAGCA	3420
AAGCCCAGTA	CGTACAATTG	TGTTGGGTGT	GGGTGGTCTC	CAAGGCCACG	CTGCTCTCTG	3480
AATTGATTTT	TTGAGTTTTG	GNITGNAAGA	TGATCACAGN	CATGTTACAC	TGATCTTNA	3540
GGACATATNT	TATAACCCTT	TAAAAAATAA	ATCCCCTGCC	TCATTCTTAT	TTGAGATGA	3600
ATTTGATAC	AGACTAGATG	TCTTTCTGAA	GATCAATTAG	ACATTNTGAA	AATGATTTAA	3660
AGTGTTTTCC	TTAATGTTCT	CTGAAAACAA	GTTTCTTTTG	TAGTTTTAAC	CAAAAAAGTG	3720
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ATTGCTAAAA	TCATGGACTG	GCTTTCTGGT	TGGATTTT	GTAAGATGTG	TTTAAGGCCA	3840
GAGCTTTTCT	CAGTATTTGA	TTTTTTTCCC	CAATATTTGA	TTTTTTAAAA	ATATACACAT	3900
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GTATGGCNA	TCANATTTA	CTTTTACTTA	AGCATTTGTA	ATTTGGAGTA	TCTGGTACTA	4020
GCTAAGAAAT	AATTONATAA	TTGAGTTTTG	TACTONCCAA	ANATGGGTCA	TTCTCATGN	4080
ATAATGTNCC	CCCAATGCAG	CTTCATTTTC	CAGANACCTT	GACGCAGGAT	AAATTTTTTC	4140
ATCATTTAGG	TCCCCAAAA					4159

*see p.3
for
explanation
of error*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/270,437C

DATE: 08/28/2002

TIME: 10:16:40

Input Set : A:\EP.txt

Output Set: N:\CRF3\08282002\I270437C.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:29 M:283 W: Missing Blank Line separator, <220> field identifier
L:30 M:283 W: Missing Blank Line separator, <400> field identifier
L:32 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=1
L:111 M:283 W: Missing Blank Line separator, <220> field identifier
L:112 M:283 W: Missing Blank Line separator, <400> field identifier
L:271 M:283 W: Missing Blank Line separator, <220> field identifier
L:272 M:283 W: Missing Blank Line separator, <400> field identifier
L:283 M:283 W: Missing Blank Line separator, <220> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier
L:286 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=4
L:343 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:343 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:343 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3300
L:346 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:346 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:346 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3480
L:347 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:347 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:347 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3540
L:348 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:348 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:348 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3600
L:353 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:353 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:353 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3900
L:354 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:354 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:354 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:3960
L:355 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:355 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:355 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:4020
L:356 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:356 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:356 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:4080
L:364 M:283 W: Missing Blank Line separator, <220> field identifier
L:365 M:283 W: Missing Blank Line separator, <400> field identifier
L:367 M:112 C: (48) String data converted to lower case,

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/270,437C

DATE: 08/28/2002

TIME: 10:16:40

Input Set : A:\EP.txt

Output Set: N:\CRF3\08282002\I270437C.raw

M:112 Repeated in SeqNo=5

L:392 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:392 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:392 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1380
L:393 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:393 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:393 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1440
L:394 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:394 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:394 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1500
L:395 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:395 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:395 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1560
L:404 M:283 W: Missing Blank Line separator, <220> field identifier
L:405 M:283 W: Missing Blank Line separator, <400> field identifier
L:407 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=6

L:465 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:6
L:465 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:6
L:465 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6
L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:3360
L:472 M:283 W: Missing Blank Line separator, <220> field identifier
L:473 M:283 W: Missing Blank Line separator, <400> field identifier
L:475 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=7

L:504 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:504 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:504 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:1620
L:505 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:505 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:505 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:1680
L:506 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:506 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:506 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:1740
L:507 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:507 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:7
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:1800
L:516 M:283 W: Missing Blank Line separator, <220> field identifier
L:517 M:283 W: Missing Blank Line separator, <400> field identifier
L:519 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=8

L:575 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:3240

VERIFICATION SUMMARY

DATE: 08/28/2002

PATENT APPLICATION: US/09/270,437C

TIME: 10:16:40

Input Set : A:\EP.txt

Output Set: N:\CRF3\08282002\I270437C.raw

L:581 M:283 W: Missing Blank Line separator, <220> field identifier
L:582 M:283 W: Missing Blank Line separator, <400> field identifier
L:583 M:254 E: No. of Bases conflict, LENGTH:Input:21 Counted:20 SEQ:9
L:583 M:252 E: No. of Seq. differs, <211> LENGTH:Input:21 Found:20 SEQ:9
L:589 M:283 W: Missing Blank Line separator, <220> field identifier
L:590 M:283 W: Missing Blank Line separator, <400> field identifier
L:597 M:283 W: Missing Blank Line separator, <220> field identifier
L:598 M:283 W: Missing Blank Line separator, <400> field identifier
L:605 M:283 W: Missing Blank Line separator, <220> field identifier
L:606 M:283 W: Missing Blank Line separator, <400> field identifier
L:613 M:283 W: Missing Blank Line separator, <220> field identifier
L:614 M:283 W: Missing Blank Line separator, <400> field identifier
L:623 M:283 W: Missing Blank Line separator, <220> field identifier
L:624 M:283 W: Missing Blank Line separator, <400> field identifier
L:631 M:283 W: Missing Blank Line separator, <220> field identifier
L:632 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
L:634 M:283 W: Missing Blank Line separator, <400> field identifier
L:641 M:283 W: Missing Blank Line separator, <220> field identifier
L:642 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:644 M:283 W: Missing Blank Line separator, <400> field identifier
L:651 M:283 W: Missing Blank Line separator, <220> field identifier
L:652 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
L:654 M:283 W: Missing Blank Line separator, <400> field identifier
L:662 M:283 W: Missing Blank Line separator, <220> field identifier
L:663 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
L:665 M:283 W: Missing Blank Line separator, <400> field identifier
L:673 M:283 W: Missing Blank Line separator, <220> field identifier
L:674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
L:676 M:283 W: Missing Blank Line separator, <400> field identifier
L:677 M:254 E: No. of Bases conflict, LENGTH:Input:24 Counted:23 SEQ:19
L:677 M:252 E: No. of Seq. differs, <211> LENGTH:Input:24 Found:23 SEQ:19
L:685 M:283 W: Missing Blank Line separator, <220> field identifier
L:686 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:688 M:283 W: Missing Blank Line separator, <400> field identifier
L:696 M:283 W: Missing Blank Line separator, <220> field identifier
L:697 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:699 M:283 W: Missing Blank Line separator, <400> field identifier
L:707 M:283 W: Missing Blank Line separator, <220> field identifier
L:708 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:710 M:283 W: Missing Blank Line separator, <400> field identifier
L:718 M:283 W: Missing Blank Line separator, <220> field identifier
L:719 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:721 M:283 W: Missing Blank Line separator, <400> field identifier